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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/772,715	02/05/2004	Akihiro Koyama	14434.42USD2	5612

7590 11/18/2005

HAMRE, SCHUMANO, MUELLER & LARSON, P.C.
P.O. BOX 2902-0902
MINNEAPOLIS, MN 55402

EXAMINER

BOLDEN, ELIZABETH A

ART UNIT	PAPER NUMBER
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1755

DATE MAILED: 11/18/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

DETAILED ACTION

Priority

This application appears to be a division of Application No. 10/236,397 now Patent No. 6,831,030, filed 5 September 2002. A later application for a distinct or independent invention, carved out of a pending application and disclosing and claiming only subject matter disclosed in an earlier or parent application is known as a divisional application or "division." The divisional application should set forth the portion of the earlier disclosure that is germane to the invention as claimed in the divisional application. The first line of the specification should be amended to read:

This is a divisional of Application No. 10/236,397 filed 5 September 2001, now U.S. Patent 6,831,030.

Drawings

The drawings were received on 5 August 2005. These drawings are accepted by the Examiner.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter, which the applicant regards as his invention.

Claims 18 and 19 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Art Unit: 1755

Claims 18 and 19 are rejected under 35 U.S.C. 112, second paragraph, as being process claim with no clearly defined active process steps. See Ex. Parte Elrich, 3USPQ2d1011 (1987).

Examiner's Comment

The Examiner contacted Applicants' Representative via voice mail and fax proposing the following Examiner's Amendment to eliminate the above 112 rejections on 9 November 2005. The Applicants' Representative was unable to accept the amendment at the time of this action.

18. (Proposed Examiner's Amendment) A method of manufacturing a soda-lime glass comprising zinc oxide and iron oxide (expressed as total iron oxide) wherein formation of nickel sulfide particles is suppressed in said glass, comprising adding a zinc compound to glass raw materials and melting said glass raw materials:

wherein the soda-lime glass is formulated by either:

decreasing a content of the zinc oxide within a range of 0.006 to 2.0 wt. % when the content of total iron oxide (in terms of Fe_2O_3) in a glass is increased with in the range of 0.005 wt. % to 0.06 wt. %, or

increasing the content of the zinc oxide within a range of 0.006 to 2.0 wt. % when the content of total iron oxide (in terms of Fe_2O_3) in a glass is increased with in the range of 0.005 wt. % to 0.06 wt. %:

thereby suppressing formation of nickel sulfide particles in the glass and

whereby the soda-lime glass exhibits high transmittance with a visible light transmittance of 90.0% or higher on a basis of a 4.0 mm thick glass sheet.

19. (Proposed Examiner's Amendment) A method of manufacturing a soda-lime glass comprising zinc oxide and iron oxide (expressed as total iron oxide) wherein formation of nickel sulfide particles is suppressed in said glass, comprising adding a zinc compound to glass raw materials and melting said glass raw materials:

wherein the soda-lime glass is formulated by either:

Art Unit: 1755

decreasing a content of the zinc oxide within a range of 0.006 to 2.0 wt. % when the content of total iron oxide (in terms of Fe_2O_3) in a glass is increased with in the range of 0.005 wt. % to 0.02 wt. %, or

increasing the content of the zinc oxide within a range of 0.006 to 2.0 wt. % when the content of total iron oxide (in terms of Fe_2O_3) in a glass is increased with in the range of 0.005 wt. % to 0.02 wt. %:

thereby suppressing formation of nickel sulfide particles in the glass and

whereby the soda-lime glass exhibits high transmittance with a visible light transmittance of 90.0% or higher on a basis of a 4.0 mm thick glass sheet.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

Art Unit: 1755

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Elizabeth A. Bolden whose telephone number is 571-272-1363. The examiner can normally be reached on 9:30 am-6:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jerry Lorengo can be reached on 571-272-1233. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

EAB
14 November 2005


KARL GROUP
PRIMARY EXAMINER
GROUP 1755